Q.P. Code: 36

Rajiv Gandhi University of Health Sciences, Karnataka

First year BAMS (NCISM) Degree Examination - 31-Jul-2024

Time: Three Hours **Max. Marks: 100**

KRIYA SHARIRA (HUMAN PHYSIOLOGY) – PAPER -I (RS-7)

Q.P. CODE: 3605

(QP contains three pages)

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary
NOTE: MCQ answers must be written in words along with alphabets

LONG ESSAYS

4 x 10 = 40 Marks

1. Write staana, guna, karma and bheda of kapha dosha
2. Prakriti nirupana. Explain in detail about shareerika and manasika prakriti
3. Write in detail about Carbohydrate digestion and Metabolism
4. What is Endocrinology? Explain Functional anatomy of Posterior Pituitary Gland.

SHORT ESSAYS

8 x 5 = 40 Marks

5. Explain dosha dhatu mala mulam hi shareeram
6. Explain vak pravrutti
7. Write kapha vruddhi and kshaya lakshanas
8. Explain ahara parinamakara bhavas
9. Describe awastha paka and hishtapaka
10. What is Ventilation? Explain Exchange of gases?
11. Explain Gastrointestinal Movement
12. Functional anatomy of Thyroid Gland

Multiple Choice Questions

20 x 1 = 20 Marks

13. Akasha utpatti by
    A. Roopa tanmatra
    B. Rasa tanmatra
    C. Sparsha tanmatra
    D. Shabda tanmatra

14. Tridanda's are
    A. Vata, pitta, kapha
    B. Rasa, guna, virya
    C. Satwa, atma, shareera
    D. Hetu, linga, aushadha

15. Rogastu
    A. Dosha vaishamyata
    B. Dosha utpatti
    C. Dosha guna
    D. Dosha karma

16. Vak pravrutti is one of the karma of

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A. Prana vata
B. Vyana vata
C. Udana vata
D. Apana vata

17. Kritsna dehachari mahajava refers to
A. Apana
B. Vyana
C. Samana
D. Prana

18. Pitta staana
A. Pakwashaya
B. Basthi
C. Nabhi
D. Kati

19. This is one of the karma of kapha
A. Chalatwa
B. Pachaka
C. Deepana
D. Sthiratwa

20. Bhrama is one of the kshaya lakshana of
A. Pitta
B. Vata
C. Kapha
D. Rakta

21. Vata prakopa occurs during
A. Varsha ritu
B. Grishma ritu
C. Sharada ritu
D. Hemanta ritu

22. Akshachari belongs to
A. Sama prakriti
B. Kapha prakriti
C. Pitta prakriti
D. Vata prakriti

23. Bhoutika prakriti are described
A. Bhela
B. Sushruta
C. Harita
D. Vagbhata

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24. On the basis of upabhoga of ahara is classified into
A. 2 types
B. 4 types
C. 6 types
D. 10 types

25. Vayavya amsha yukta aahara will digested by
A. Jatharagni
B. Bhootagni
C. Dhatwagni
D. Pachakagni

6. In amlavastha paka following pitta is produced
   A. Accha pitta
   B. Sadhaka pitta
   C. Ranjaka pitta
   D. Alochaka pitta

27. It belongs to ahara parinamakara bhava
   A. Sneha
   B. Karana
   C. Desha
   D. Rashi

28. Blood Clotting is the example for
   A. Positive feedback Mechanism
   B. Negative feedback Mechanism
   C. Respiratory Mechanism
   D. A+B

29. Arrest of breathing during Swallowing is called
   A. Deglutition apnea
   B. Obstructive apnea
   C. Apnea
   D. Central Apnea

30. Normal PH level of Bile about
   A. 5 - 5.5
   B. 8 - 8.6
   C. 6 - 6.5
   D. 7- 7.6

31. Impairment or Loss of Speech is Called
   A. Apnea
   B. Aphasia
   C. Dysphonia
   D. Stammering

32. Glucagon Action
   A. It ↑ the blood Glucose level
   B. It ↓ the blood Glucose level
   C. It ↑ the blood calcium level
   D. It ↓ the blood calcium level

Rajiv Gandhi University of Health Sciences, Karnataka

First year BAMS (NCISM) Degree Examination - 02-Aug-2024

Time: Three Hours **Max. Marks: 100**

KRIYA SHARIR (HUMAN PHYSIOLOGY) - PAPER – II (RS-7)

Q.P. CODE: 3606

(QP contains three pages)

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary
NOTE: MCQ answers must be written in words along with alphabets

4 x 10 = 40 Marks

LONG ESSAYS

1. Explain about the Srotas, Karma, Utpatti, Pancha Bhoutikatva, Vruddhi, Kshaya, Sarata and important features of Rakta Dhatu in detail
2. Write about Srotas, Karma, Utpatti, Guna, Vruddhikshaya, Sarata and important features of Shukra Dhatu.
3. Write about the Mutra Vahasrotas, Mootrotpatti and Vrudhikshaya of Mootra.
4. Write about the clotting factors, clotting mechanisms and its applied physiology.

8 x 5 = 40 Marks

SHORT ESSAYS

5. Write about the Srotomoola, Utpatti and Vruddhi Kshaya of Mamsa Dhatu.
6. Write about karma and Utpatti of Majja and write about Majja Pradoshaja vikara.
7. Write about the Utpatti, Karma, Srotas and Vruddhi, Kshaya of Sweda.
8. Write about the Guna, karma and Vishaya of Manas.
9. Write about the various stages of erythropoiesis and precursors of erythropoiesis.
10. Write about the structure, types and functions of adipose tissue.
11. Write about auditory physiology and auditory pathway.
12. Write about the defecation reflex.

20 x 1 = 20 Marks

Multiple Choice Questions

13. _____is the Pramana of Rasa dhatu
    A. 9 Anjali
    B. ½ Anjali
    C. 9 Anjali
    D. 4 Anjali

14. Shuddharakta is similar to _____
    A. Sphatika
    B. Madhu
    C. Gunja phala
    D. Laja

15. Number of peshis in females is
    A. 500
    B. 520
    C. 400
    D. 420

16. Asthisankhya according to Sushruthasamhitha is _____
    A. 360
    B. 348
    C. 300

17. _____ is lakshana of Majja Sara purusha
    A. Mahasphik
    B. Mahashira
    C. Mahanetra
    D. Mahalalata

18. _____ is a Shuddhashukra lakshana
    A. Laja Gandhi
    B. Sarpi Gandhi
    C. Visra Gandhi
    D. Madhu Gandhi

19. Gandha of Ojus is
    A. Laja Gandhi
    B. Sarpi Gandhi
    C. Visra Gandhi
    D. Madhu Gandhi

20. Pramana of Kandara is _____
    A. 8
    B. 24
    C. 700
    D. 16

21. Kandu is a lakshana seen in
    A. Mutra vruddhi
    B. Swedavruddhi
    C. Twakvruddhi
    D. Vatavruddhi

22. _____ is a type of Swapna
    A. Adrusta
    B. Smruta
    C. Adbuta
    D. Anubhoota

23. RBCs contain
    A. Nucleus
    B. Mitochondria
    C. Ribosomes
    D. None of the above

24. Injection of antibodies is an example of
    A. Active natural immunity
    B. Passive natural immunity
    C. Active artificial immunity
    D. Passive artificial immunity

25. T wave in ECG is produced by
    A. Atrial depolarization
    B. Ventricular depolarization
    C. Atrial repolarization

D. Ventricular repolarization

26. Dark band of a Myofibril is called as
    A. I band
    B. A band
    C. Z band
    D. D band

27. _____is responsible for transport of cholesterol from the tissues back to the liver
    A. LDL
    B. HDL
    C. VLDL
    D. PDL

28. Fructose present in semen is synthesised by
    A. Seminal vesicles
    B. Vas deferens
    C. Prostate
    D. Epididymis

29. HCG is produced in
    A. First 2 months of pregnancy
    B. Second trimester
    C. Third trimester
    D. After delivery

30. Following is an abnormal constituent of urine
    A. Urea
    B. Uric acid
    C. Creatinine
    D. Proteins

31. Renal threshold for glucose is
    A. 180 mg/dl
    B. 325 mg/dl
    C. 180 mg/min
    D. 375 mg/min

32. Scala tympani and Scala media are separated by
    A. Basilar membrane
    B. Reissners membrane
    C. Tectorial membrane
    D. Secondary tympanic membrane

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Q.P. Code: 3605

Rajiv Gandhi University of Health Sciences, Karnataka

First year BAMS (NCISM) Degree Examination - 09-Aug-2023

Time: Three Hours **Max. Marks: 100**

KRIYA SHARIRA (HUMAN PHYSIOLOGY) – PAPER -I (RS-7)

Q.P. CODE: 3605

(QP contains three pages)

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary
NOTE: MCQ answers must be written in words along with alphabets

LONG ESSAYS

4 x 10 = 40 Marks

1. Describe guna, karma of pitta and explain pachaka Pitta in detail
2. Define Prakriti, its types and role of Matrija etc factors in the formation of Prakriti
3. Describe the Exchange of Oxygen and carbon dioxide
4. Describe Synapse, its functions & properties

SHORT ESSAYS

8 x 5 = 40 Marks

5. Explain – Dosha dhatu mala moolam hi shareeram
6. Describe Shwasana Prakriya according to Sharangadhara Samhita
7. Causes & Features of Pitta Vriddhi
8. Write a short note on Ahara Parinamakara Bhava
9. What are the Similarities & Dis-similarities between Avasthapaka & Nishtapaka
10. Describe Active Transport across cell membrane with examples
11. Enteric Nervous System
12. Describe in detail about Cortisol

Multiple Choice Questions

20 x 1 = 20 Marks

13. The Term Kriya indicates _____
    A. Structure
    B. Function
    C. Pathology
    D. All of these

14. Moola sthana of _____ Srotas is Amashaya
    A. Raktavaha
    B. Rasavaha
    C. Udakavaha
    D. Annavaha

15. During evening hours, _____ dosha is predominant
    A. Vata
    B. Pitta
    C. Kapha
    D. Both Vata & Kapha

16. Which Vata dosha is present near Agni ?
    A. Prana
    B. Udana
    C. Vyana
    D. Samana

17. Ati-vyayama may lead to provocation of _____
    A. Vata Dosha
    B. Pitta Dosha
    C. Kapha Dosha
    D. All Dosha

18. As per Sushruta, Ranjaka Pitta is located in _____
    A. Yakrit
    B. Kloma
    C. Phupphusa
    D. None of these

19. Which of the following is **NOT** a guna of Kapha ?
    A. Snigdha
    B. Guru
    C. Manda
    D. Khara

20. Kaphaja Nanatmaja Vyadhi is _____
    A. Udarda
    B. Pakshaghata
    C. Amlaka
    D. All of these

21. Vyakta-avastha is the stage of disease where one can see _____ of diseases
    A. Roopa
    B. Purvaroopa
    C. Upadrava
    D. Both Roopa & Purvaroopa

22. Saatvika prakriti person will have _____ nature
    A. Kshama (Forgiving)
    B. Krodha
    C. Nidraalu
    D. All of these

23. Most probably, Pitta Prakriti person will have _____ Koshta
    A. Madhya
    B. Kroora
    C. Mridu
    D. Sama

24. The Ahara-vidhi-vishesha-ayatana include _____
    A. Prakriti
    B. Desha
    C. Kaala
    D. All of these

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25. Ahara-rasa is primarily formed due to the action of _____
    A. Jatharagni
    B. Rakta Dhatwagni
    C. Bhutagni
    D. Rasa Dhatwagni

26. Vipaka (Nishtapaka) of Madhura rasa dravya is _____
    A. Katu
    B. Amla
    C. Madhura
    D. Can't be predicted

27. Bodhaka Kapha helps in _____ process of Ahara Paaka
    A. Sanghaata Kledana
    B. Paaka
    C. Apakarshana
    D. Paaka & Apakarshana

28. Reabsorption of Glucose along with Sodium in PCT of Nephrons is an example of _____
    A. Symport
    B. Antiport
    C. Osmosis
    D. Diffusion

29. Kussmaul breathing is occurs in _____
    A. Metabolic alkalosis
    B. Metabolic acidosis
    C. Respiratory alkalosis
    D. Respiratory acidosis

30. Meissner's plexus in GIT is _____ plexus
    A. Myenteric
    B. Submucosal
    C. Subserous
    D. Fibrous

31. Referred-Pain sensations are carried by _____
    A. Type-B alpha nerve fibres
    B. Type-B delta nerve fibres
    C. Type-C nerve fibres
    D. Type-B beta nerve fibres

32. Calcitonin is secreted by _____
    A. Thyroid gland
    B. Parathyroid gland
    C. GIT
    D. Adrenal medulla

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QP CODE : 3606

Rajiv Gandhi University of Health Sciences, Karnataka

First year BAMS (NCISM) Degree Examination - 11-Aug-2023

Time: Three Hours Max. Marks: 100

KRIYA SHARIR (HUMAN PHYSIOLOGY) - PAPER – II (RS-7)

Q.P. CODE: 3606

(QP contains three pages)

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary
NOTE: MCQ answers must be written in words along with alphabets

LONG ESSAYS

4 x 10 = 40 Marks

1. Write the Utpatti of Shukra Dhatu. Explain Shuddhashukra lakshana and write Shukravaha purusha lakshana.
2. Define Ojas, explain its functions and write its Guna, Pramana, Lakshana and Kshaya lakshana.
3. Describe the formation of Rakta-Dhatu, Ranjana of rasa by Ranjaka pitta, features of Shuddharakta, specific functions of Rakta.
4. Explain the process of hemostasis.

SHORT ESSAYS

8 x 5 = 40 Marks

5. Describe the functions of the skin.
6. Explain the process of hemostasis.
7. Describe the ABO and Rh system of blood groups and explain the physiological basis of blood groups.
8. Describe location and properties, functions and objects of Manas.
9. Explain the process of Mutrotpatti.
10. Write the laskhana of Vruddhi and Kshaya of Mamsa Dhatu.
11. Explain the Ashraya – Ashrayisambandha.
12. Write Meda Dhatu Utpatti and explain Meda Sara Prushalakshan.

Multiple Choice Questions

20 x 1 = 20 Marks

13. Kriyanamapracuryam' is found in_____
    A. Ojo Kshaya
    B. Ojo Vyapad
    C. Ojo Visramsa
    D. Ojo Vriddhi

14. Color and smell of Ojas as per Charaka_____
    A. Ghirta varna and madhugandha
    B. Madhu varna and Ghirtagandha
    C. Ghirta varna and Lajagandha
    D. Laja varna and Ghirtagandha

15. Normal life span of RBC
    A. 1hr
    B. 1 day
    C. 1 week
    D. 120 days

(Continued)

16. Colloidal osmotic pressure contributed mainly by
    A. Albumin
    B. Fibrinogen
    C. Thrombin
    D. Prothrombin

17. Erythropoietin is secreted by
    A. Stomach
    B. Adrenal Cortex
    C. Kidney
    D. Bone Marrow

18. Megaloblastic anemia is due to deficiency of
    A. Vit C
    B. Vit E
    C. Vit B12
    D. Iron deficiency

19. Iron is stored in the body in the following except
    A. RE system
    B. Spleen
    C. Gallbladder
    D. Bone marrow

20. Total blood volume is __% of body weight
    A. 8
    B. 9
    C. 10
    D. 11

21. The following are present in circulating blood except
    A. Fibrinogen
    B. Prothrombin
    C. Thrombin
    D. Albumin

22. Pramana of Rasa Dhatu
    A. 6 anjali
    B. 7 anjali
    C. 8 anjali
    D. 9 anjali

23. Shuddharaktalakshana
    A. Heated gold
    B. Gold
    C. Silver
    D. None of the above

24. Lepana is a function of_____Dhatu
    A. Mamsa
    B. Meda
    C. Asti
    D. Majja

25. Sukumar Upchartam' requires in_____Dhatusarta
    A. Rasa
    B. Rakta
    C. Mamsa
    D. Meda

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26. Following is mala of Asthi Dhatu.
    A. Kapha
    B. Pitta
    C. Nakha
    D. Kha mala

27. According to Charak, Anjali, Pramana of Majja is_____anjali
    A. 1
    B. 2
    C. 3
    D. 4

28. Stripriyaupbhoga is the lakshana found in _____Dhatusarata
    A. Rasa
    B. Rakra
    C. Shukra
    D. Satva

29. Indriyabhigraha is the_____of Mana
    A. Karma
    B. Guna
    C. Lakshana
    D. All the above

30. Deshantaragati Swapne is the Lakshana of_____
    A. Mana
    B. Atma
    C. Smriti
    D. Buddhi

31. Synonyms of Nidra is
    A. Swap
    B. Sushupti
    C. Shayan
    D. All of the above

32. As per Sushruta types of Nidra are_____
    A. 7
    B. 4
    C. 6
    D. 3

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.A.M.S Degree Examination - 19-Mar-2024

Time: Three Hours **Max. Marks: 100 Marks**

SHAREERA KRIYA - PAPER-I (RS4, RS5 & RS6)

Q.P. CODE: 3004

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS

2 x 10 = 20 Marks

1. Define Ahara. Write its classification, importance and Asta Aharavidhivishesha Ayatana.
2. Explain the physiology of vision in detail.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Write about Kriya kala.
4. Write about samana vata, its sthana and karma.
5. Avasthapaka.
6. Chikitsapurusha.
7. Write about Lokapurushasamyata with examples.
8. Write about the enzymes involved in digestion of proteins.
9. Write about the mechanics of respiration and the muscles of respiration.
10. Write about the production, circulation and function of cerebrospinal fluid.
11. Regulation and control of respiration.
12. Define sleep and explain the types of sleep.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Avalambakakapha.
14. Trividhakoshta.
15. Kaphaguna.
16. Pitta prakruti Anookatva.
17. Types of Agni.
18. Hypoxia and its classification.
19. Write about Vitamin D its sources and deficiency disorders.
20. Salivary gland.
21. Boyles law.
22. Portal triad.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.A.M.S Degree Examination - 21-Mar-2024

Time: Three Hours **Max. Marks: 100 Marks**

SHAREERA KRIYA - PAPER-II (RS4/RS5/RS6)

Q.P. CODE: 3005

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS

2 x 10 = 20 Marks

1. Write about the utpatthi, karma, Upadhatu, dhatumala, panchabhoutikata, shuddha raktha lakshana, saarata, vruddhi, kshyaya and pramana of raktha dhatu.
2. Explain menstrual cycle and its phases in detail.

SHORT ESSAYS

10 x 5 = 50 Marks

3. What are the reasons and types of ojovikruti?
4. Ashraya ashrayee bhava
5. Enumerate the pramana of all dhatus and upadhatus.
6. Indriya pancha panchaka
7. Enumerate the layers of twacha.
8. Conduction system of heart
9. Adrenal gland hormones and their function
10. Define immunity and write its classifications.
11. Defecation reflex
12. Functions of kidney

SHORT ANSWERS

10 x 3 = 30 Marks

13. Artavavaha srotus
14. Mamsa vruddhi lakshana
15. Pureesha kshaya lakshana
16. Nidra laabha
17. Mootra karma
18. Parathyroid hormone
19. Pacemaker of heart
20. Location of red bone marrow
21. Mention two functions of prostate gland.
22. Tachycardia

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